

# National Weather Service

## *Building a Weather-Ready Nation*

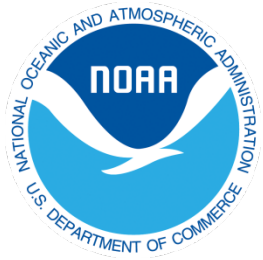
### *The Importance of Science Technology Integration in Building a Weather-Ready Nation*

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NOAA Test Beds and Proving Grounds 4<sup>th</sup> Annual Workshop  
College Park, MD  
April 2, 2013





# Outline



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- **Background**
  - **Vision – Strategic Plan**
  - **Restructuring the Budget Process (Follow Through)**
  - **Way ahead: Interaction with the Science Community**



# I. Background

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- **NWS is science in action: Providing weather, water, climate services for Nation's needs**

# Building a Weather-Ready Nation

*Weather-Ready Nation: community resilience in the face of increasing vulnerability to extreme weather.*



To achieve the WRN goals requires integrating science and technology into operations to improve

- Science-based services to track, forecast , and communicate what people need to know about high-impact environmental events
- **Impact-based decision support services**

# National Weather Service Strategic Plan

## Six Goals

- Improve weather decision services
  - Deliver broad suite of improved water forecasting services
  - Enhance climate services
  - Improve sector-relevant information in support of economic productivity
  - Enable integrated environmental forecast services
  - Sustain a highly-skilled, professional workforce
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- Linked to Previous NRC reports and involved input from NWS workforce (NWSEO LOT Process) and larger Enterprise engagement
  - Depends on: partnerships; taking predictions to the “next level”; multi-model ensemble approach to earth system models; effective links to DA/Model/Research communities

# Restructuring The Budget Process (Follow Through)

It will be transparent!

Clear relationship to end-to-end forecast process and  
integration of science + technology into operations

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It will follow the law

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NWS will live within what is appropriated

# Budget Planning Process

- Have to redefine PPAs for NWS
- Have to make the process transparent
- Have to restructure HQ to reflect these changes
- Have to accomplish full transition for 2015 budget

## Test Run

1. Annual Operating Plan 2014
2. NWS meeting for pre-decisional plan, June 2013
3. Involve all NWS senior executives
4. Built around 5 budget categories
  - Observations (product improvements)
  - Central processing
  - Analyze, Forecast, Assist
  - Disseminate
  - Science-Technology Integration (R2O-O2R)

-CSTAR

-EMC

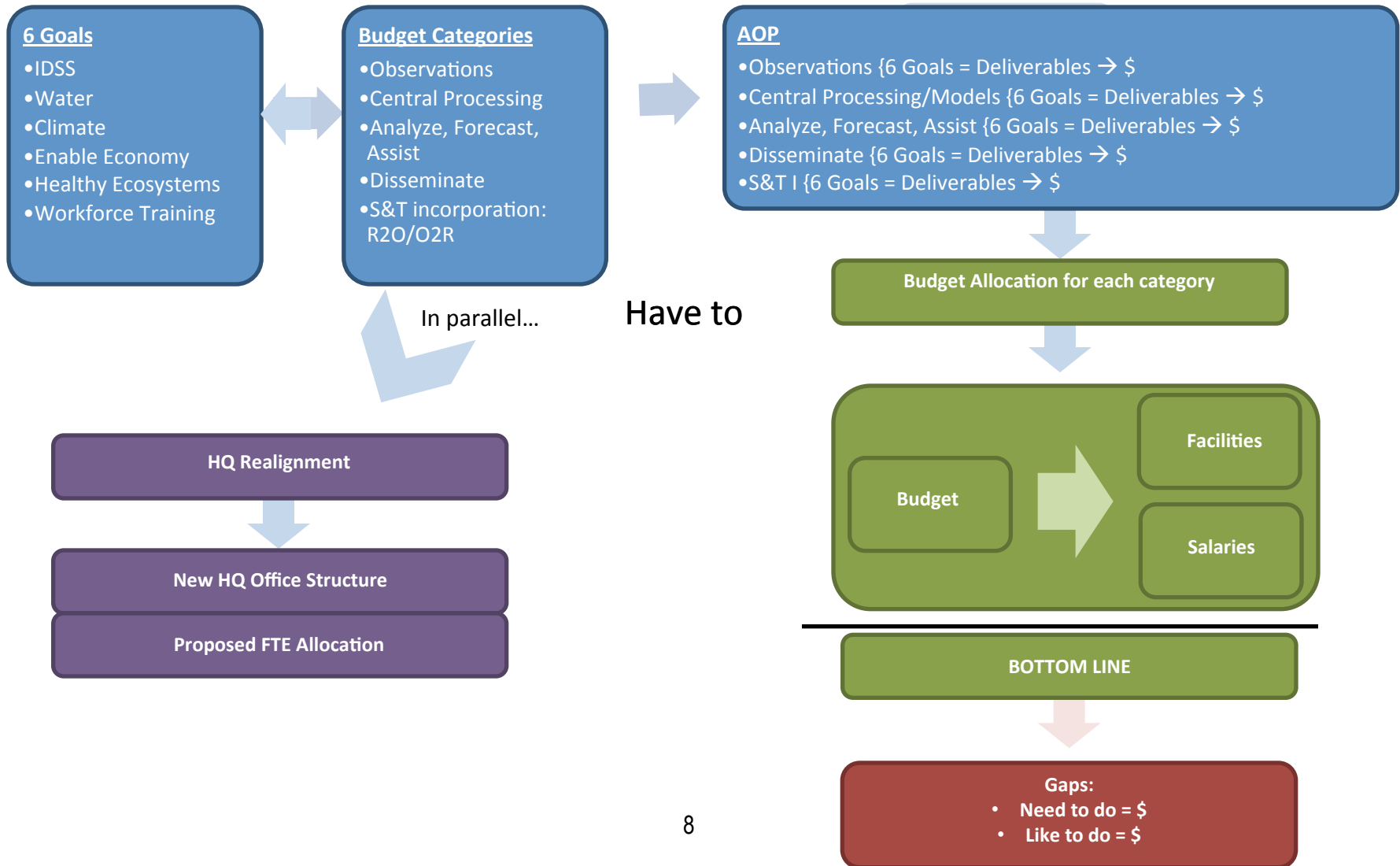
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-Proving Ground

-Test Beds

- Model transition

# Mapping Strategy to Budget





# Way Ahead: Interaction with the Science Communities

- Even in constrained budget, NWS shoring up support of Test Beds and Proving Ground (TBPG).
- New Budget restructure highlights importance of transition of S&T to operations -- and NOAA TBPG--
  - Opportunity to put the function and required resources to fulfill the R2O/O2R mission in TBPG on a firm foundation to work with other partners across the weather and climate enterprise.
- Links to NWS strategic plan and Roadmap goals, keeping it transparent, meaningful, workable; “Support O2R to accelerate R2O”.
- The plan is to provide a more transparent and visible approach to garner more support for the test beds.